

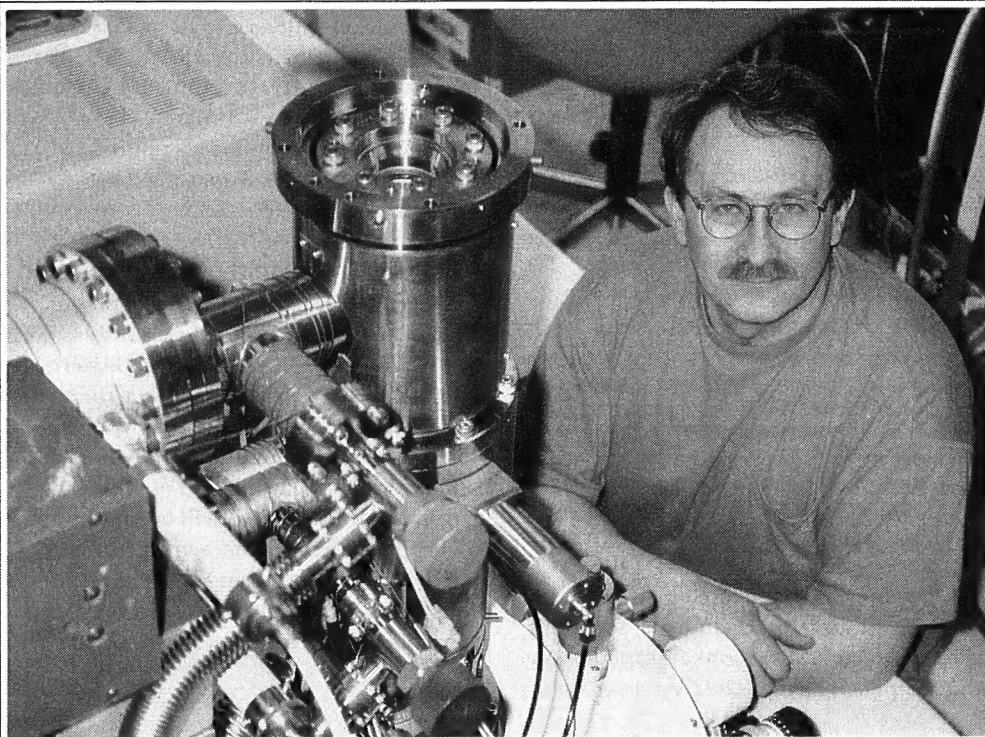
# FOLIO

UNIVERSITY OF ALBERTA  
10 FEBRUARY 1995

Alumni Wall  
— of —  
Recognition

INSIDE

- (Eight) Amazing alums (p 3)
- John Dossetor on the right to health care (p 4)
- 'Focus on Faculties' - Education (p 5)



## 'Let George do it' makes perfect sense

Technician George Braybrook tackles the installation of the latest generation scanning electron microscope acquired recently by the Department of Geology.

## SEM operator a key to research teams' success

*George Braybrook also keeps costs down by repairing microscope himself*

By Michael Robb

Fungus in the morning; meteorite debris in the afternoon.

George Braybrook has seen it all—in minute detail. In fact, the scanning electron microscope operator has over his two decades at the SEM been a co-explorer with researchers from virtually every scientific discipline on campus.

"I deal directly with people who are on the cutting edge of their research," says Braybrook, who, of late, has been helping to install the newest generation SEM in the Geology Department. The old tungsten filament electron microscope is history, replaced by a field emission SEM that will allow researchers to magnify objects 200,000 times.

"When you look closely enough, there's nothing that isn't interesting," says Braybrook. Pictures of insects on the walls of the SEM lab certainly support his contention. And while he gets a great deal of satisfaction from observing patterns and the microstructure of materials, he also shares with his academic colleagues the joy of opening up hitherto uncharted research vistas.

It would be inaccurate, however, to describe Braybrook's day as just one joyful experience after another. Every sample examined in the SEM must be specially prepared. Much of the general preparation takes place at the department level, but final prep work occurs in the SEM lab.

Some of Braybrook's customers have a great deal of experience working with SEMs. Others may have never seen one before setting foot in the SEM lab. And there's everything in between, Braybrook explains, pointing out that many people on campus can produce decent images on the SEM, but few can push the technology to its limits. (The new machine can transfer digitized images to other computers, store images on hard drive and CDs and zap images around the world electronically.)

"George is a super technician," says Geology Professor Tom Chacko. "His reputation is well known across this country."

Adds Geology Department Chair Brian Jones, If the University didn't have Braybrook, it would over the years have spent a fortune on service. Service contracts can be as high as \$30,000 annually. Typically, electronic problems occur early on in an SEM's lifespan. Mechanical problems with the vacuum also crop up, and thermal fatigue sets in after several years, Braybrook explains.

Braybrook, who completed an electronic technologist diploma program at Red River Community College in Winnipeg, will take an operations course from the manufacturer of the new SEM, as he did for the last SEM.

## 75% of students satisfied with classroom instruction

*Price of texts a problem*

By Folio staff

More than three-quarters of students who completed a recent Students' Union-sponsored survey say they're satisfied with the quality of class instruction at the University of Alberta.

The survey of 3,914 students in all Faculties revealed that just over 10 percent of the respondents were dissatisfied with the quality of class instruction.

"We hope the survey proves useful," SU

Vice-President (Academic) Garrett Poston told students, staff and media who filled the Council Chamber for last week's news conference. It's reasonable for students to expect and demand an improvement in the quality of the education they receive as costs increase, he said.

The survey was conducted in November and December. It contained 25 questions and was divided into eight general categories:

168 potential candidates for the program. The oil and gas industry reported the highest number of possible students.

The faculties also hope the program will strengthen their relationships with Alberta's business community. Furthermore, said Dean Schneck, as we enter an era of lifelong learning, it's going to be very important to provide management training to employees in the government, business and nonprofit sectors.

"It's a very new activity for us to be involved in," said Acting Vice-President (Academic) Roger Smith. There aren't many programs like it in western Canada. In fact, according to supporting documentation, only Simon Fraser offers a similar program in the west. Queen's University is offering an EMBA across the country using telecommunications technology. Students in that two-year program will pay about \$43,000 in tuition. The joint U of A/U of C program will cost students about \$15,000 each year for two years.

"You certainly learn a lot about the machines by assisting with the installation," he says. "This is always the most traumatic time in the lifespan of an SEM; anything that can go wrong will go wrong."

Meantime, while Braybrook is connecting the wires and hooking up the pipes, University, government and industry scientists are lining up outside his door. Last year, more than 150 customers had work done at the SEM lab. That work has kept researchers in the forefront and helped the University maintain valuable connections with industry and government, Dr Jones points out.

ries: class instruction, instructors/courses, libraries/study space, textbooks, marking/grading, labs, computers, and a single question on the effectiveness of the SU.

Among the 64 recommendations developed as a result of the survey are:

- Combine some sections of introductory courses to offer super lectures;
- Establish a course for all first-year professors on how to teach effectively;

Continued on page 2



# Clare Drake to be awarded honorary degree

## Historian Olive Dickason will also be honored at Spring Convocation

By Folio staff

One of Canada's most successful hockey coaches, former Golden Bears coach Clare Drake, will be awarded an honorary degree at this year's Spring Convocation ceremonies.

Drake coached six CIAU national championship teams, 17 CWUAA



Clare Drake

conference championship teams, and claims the most wins of any coach in the history of North American intercollegiate hockey.

He will be awarded the honorary degree at ceremonies to be held 5,6,7,8,12 and 13 June. The Senate made the announcement today.

Others who will be awarded honorary degrees are: Glenda Simms, president and CEO of the Canadian Advisory Council on

the Status of Women; William Thorsell, editor-in-chief of the *Globe and Mail* newspaper; Tattanahalli Nagabhushan, a research chemist under whose leadership the drug alfa-2b interferon was isolated in crystalline form; Peter Jacyk, a prominent Ukrainian Canadian dedicated to the development of scholarship in Ukrainian studies; and Olive Dickason, a prominent historian of native studies in Canada.

## Three of five hockey scholarships go to U of A students

Three of this year's five Charles S Noble "A" hockey scholarships have been awarded to University of Alberta students.

Two students enrolled in the Bachelor of Science program, Donald Glasgow and Cameron Sherban, and chemical engineering student Jason Melnyk, will receive scholarships worth \$650 each.

The scholarships provide an incentive and a means for hockey players in the province to continue their postsecondary education. They are cosponsored by the Alberta Junior "A" Hockey League and the Alberta Heritage Scholarship Fund.

Glasgow, who plays for the St. Albert Saints, plans to enroll in medical school,

specializing in the area of sports-related injuries. Sherban, who plays for the Golden Bears, plans to enroll in the Faculty of Law and wants to become a corporate lawyer. Melnyk, who also plays for the Bears, wants to continue playing hockey at the semi-professional level once he finishes his engineering degree.

## Geography holding research symposium

The Geography Department will hold its second annual research symposium, 10 and 11 March, in the Tory Building.

University of British Columbia climatologist Tim Oke will present a lecture entitled "The Importance of Diversity in Research Approach: Studies in Urban Cli-

mate", at 3 pm, 11 March, in L-1 Humanities Centre.

Other presentations will include topics such as global warming, the great Edmonton tornado of 1987, wilderness and outdoor recreation, computerized map making and squatter settlements in Sri Lanka.



Papers will be delivered by undergraduate and graduate students, support staff and faculty. For more information on the symposium, call 492-3274.

## FOLIO

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Public Affairs produces *Folio* on a regular basis for employees and volunteers at the University of Alberta.

*Folio's* mandate is to serve as a credible news source for internal audiences by communicating accurate and timely information about issues, programs, people and events.

#### DEADLINES:

Notice of coming events: 9 am three weeks in advance of event. Classified advertisements: 3 pm one week before desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 40 cents per word with no discount for subsequent insertions. There is a limit of 40 words and a minimum charge of \$2.00. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Display advertisements: 3 pm Friday, seven days before desired publication date. Camera-ready artwork is required to size, complete with halftones if necessary. Call 492-0436 for sizes, rates and other particulars.

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### Student survey Continued from page 1

- Reduce sections of introductory courses and increase the number of senior level courses;
- Create a more flexible schedule of courses;
- Evaluate all faculty members and make the results available to students;
- Reduce Library hours in nonpeak times and increase them during exams;
- Amalgamate smaller libraries with Rutherford and Cameron Libraries and convert the space to study space.

It is also recommended that the U of A alter the balance between teaching and research loads for instructors, allowing instructors who are good teachers to increase their teaching loads and reduce their research loads. This shift in balance would also apply to instructors who are good researchers.

Pharmacology Professor Terri Allen said the survey was necessary, thorough and long overdue. She reminded the students, however, that many of the University's best teachers are also its best researchers. It's not always easy to shift the balance between the two, she added.

President Rod Fraser said he was pleased the students had undertaken the task and had

tackled some of the gutsy issues in a thoughtful manner. He called students' satisfaction with the quality of class instruction a "powerful positive".

Respondents said they were unhappy about the price of texts and the extent to which professors assign updated texts. Ninety percent of students said they were dissatisfied or very dissatisfied with the price of texts. Said one third-year Arts student: "The price of new books is ridiculous. To spend \$52 on a paperback text cannot be justified. With tuition rising, I can barely make ends meet as it is without constantly having to spend this much on a single text." Poston explained that students end up spending between \$500 and \$750 per year for books.

Eighty percent of the respondents said they were dissatisfied or very dissatisfied about having to purchase constantly changing editions of texts.

President Fraser said the students were quite right; professors have to be more sensitive to textbook issues and the impact on the overall costs of education for students.

## Nominations for academic staff to serve on the Board of Governors

On 1 August 1995, there will be a vacancy on the Board of Governors for one academic staff representative. This position is currently held by Dr Ron Bercov, Department of Mathematics. The other academic staff representative on the Board is Dr Gary Faulkner, Department of Mechanical Engineering.

The procedures which govern these elections are contained in Section 22 of the GFC Policy Manual and are available in the University Secretariat, 2-5 University Hall, or on CWIS (Campus Wide Information System). These regulations provide that the academic staff representatives on the Board may be full-

or part-time continuing academic staff (Category A1.0) and that at least one of the two representatives be a full-time continuing member of the teaching faculty (Category A1.1) who does not hold an administrative position.

Since Dr Faulkner does not hold an administrative position, the vacancy to be filled this summer is open to any member of Category A1.0.

Nominations are therefore now being sought from among continuing academic staff in Category A1.0.

Nominations can be submitted in writing to Ellen Schoeck, Secretary to GFC, 2-1 University Hall. Nominations must be supported

## CURRENTS



### Applications invited for Chair, Department of English

The position of Chair of the Department of English will be vacant on 1 July 1995. A Chair Selection Committee has been established, and the committee now invites applications for this position.

Applications or nominations for the position, accompanied by a curriculum vitae and the names of three referees, should be sent to: The Dean's Advisory Selection Committee, c/o Associate Dean Mohan Matthen, Faculty of Arts, 6-33 Humanities Centre. The deadline for submission of applications is 1 March 1995.

This search is limited to tenured faculty members in the Department of English.

### Extension books Stephen Brookfield

Under the auspices of the Faculty of Extension, Stephen Brookfield, author of *The Skillful Teacher*, will draw on material from his latest book, *Becoming a Critically Reflective Educator*, to explore how educators can identify and question their assumptions and learn the art of political survival. Dr Brookfield will be on campus 17 February; his session, which carries a fee of \$175, will be from 8:30 am to 4 pm. Pre-registration is necessary. To register or for more information, call Dianne Conrad at 492-1501.

### Professional Development Days

Ten U of A staff are invited to attend Professional Development Days at Grant MacEwan Community College (City Centre Campus), 21 and 22 February. There are 15 PD sessions from which to choose, including "How Does the Educational Leader Manage the Financial Process?" and "How do I Cope in a Culturally Diverse Context?"

The program is free. Those interested in attending should register in advance with Celine Miller at 497-5279.

### Retirement celebration for Jan James

Colleagues, friends and students of Jan James, now of the Department of Elementary Education and formerly of the Faculty of Physical Education, are invited to a celebration honouring Dr James on her retirement from the University of Alberta. A reception will be held Thursday, 2 March, in the 10th Floor Lounge of Education South. Please call Tracey Kremer at 492-4273 for further information. RSVPs by Thursday, 23 February.



University  
of  
Alberta



# New inductees announced for Alumni Wall of Recognition



**Marjorie Bowker**

graduated with a BA and LLB and spent 17 years as a judge of the Family and Juvenile Courts of Alberta. One of her most notable contributions was the creation of the Family Court's Conciliation Services, an innovative counselling service which has been copied by other jurisdictions in Canada and Australia. Dr Bowker's interest in legal and constitutional matters led her to write *On Guard for Thee*, an independent analysis of the Canada-US Free Trade Agreement, as well as a book examining the Meech Lake Accord. A dedicated community volunteer, Dr Bowker was the first woman appointed to the governing board of the University of Alberta Hospitals. She has been awarded three honorary degrees and was inducted into the Order of Canada in 1990.

Eight distinguished alumni will be inducted into the Alumni Wall of Recognition at a special ceremony 15 February at 2 pm in the Alumni Room on the main floor of the Students' Union Building.

The Wall, officially opened last year, focuses on the outstanding contributions made by alumni and serves to inspire and

motivate University of Alberta students, and future alumni, in the pursuit of excellence with their current studies and future professions.

This year's inductees are: Marjorie Bowker, Patrick Doyle, John Hagan, Jay Hair, Egerton King, Roland Michener, John Poole and Joseph Shoctor.



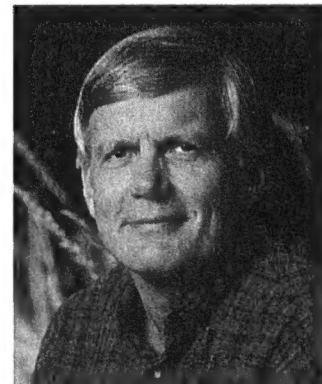
**Patrick Doyle**

is recognized internationally as a leader in the area of otolaryngology (the anatomy, function and diseases of the ear, nose and throat). A BSc and MD alumnus, Dr Doyle performed the first cochlear implant surgery in Canada, enabling a young woman who had been totally deaf to hear environmental sounds, understand speech and even talk on the telephone. A professor emeritus at the University of British Columbia, he also taught at the University of Oregon, and has written numerous scholarly papers. In 1988, Dr Doyle became the first Canadian to serve as president of the American Board of Otolaryngology and in 1994 was named president of the Triological Society, a prestigious organization for practitioners in his medical specialty.



**John Hagan**

graduated with a PhD in 1974 and is known for his pioneering contributions to scholarship in his field of the sociology of crime and the law. He is particularly recognized for developing a unique theoretical model used to help explain gender differences in delinquency. Formerly a sociology professor at the University of Toronto, Dr Hagan recently accepted the W. Grant Dahlstrom Chair in Sociology at the University of North Carolina. The author of 10 books, Dr Hagan has served as a member of the Canadian Bar Association Task Force on Gender Equality in the Legal Profession and the National Academy of Sciences' Panel on High Risk Youth. He is a Fellow of the Royal Society of Canada and the American Society of Criminology, of which he was president in 1990-91.



**Jay Hair**

is president and CEO of the National Wildlife Federation, the world's largest nongovernmental environmental organization. He also presides over the World Conservation Union (IUCN) and chairs a sector of US President Bill Clinton's Council on Sustainable Development. Known as a gifted communicator, Dr Hair has written for such publications as the *New York Times* and the *Washington Post* and has a weekly syndicated column that appears in 600 newspapers across the US. His commitment to environmental protection has earned him honours such as the Environmental Educator of the Year Award from Ball State University and the Wirtz Environmental Award of the National Park Foundation. Dr Hair, PhD 1975, has also been awarded two honorary degrees.



**Egerton King**

received his BSc (Eng) in 1943 and was awarded an honorary DSc in 1988. He retired as president and CEO of Canadian Utilities Limited (CU) in 1984. His 28-year career with CU included a number of senior administrative positions including that of general manager. When the CU companies came together under group management, he became president of each of the member companies. In 1977, he was named chair of Echo Bay Mines Limited. Mr King has served on a variety of boards and is a past director of the Conference Board of Canada. His community involvement is extensive and includes serving as president of the Edmonton Chamber of Commerce and as chair of the University of Alberta Hospitals' Board.



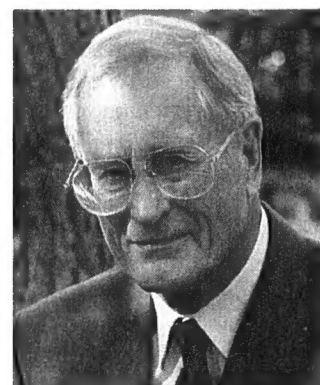
**Roland Michener**

earned his BA in 1920 and was awarded an honorary degree in 1967. Dr Michener was appointed Canada's governor general in 1967 after serving as our country's high commissioner to India. He studied at Oxford University as a Rhodes Scholar and later settled in Toronto to practise law. Dr Michener served three terms as a federal member of parliament and five years as speaker of the House of Commons. He received numerous honours and awards, including honorary degrees from 19 universities. At the age of 82, Dr Michener scaled the 2,600-metre Alberta mountain named in his honour and was the spokesperson and symbol of fitness and healthy lifestyle for many Canadians. Dr Michener died in 1991.



**Joseph Shoctor**

has three degrees from the University of Alberta: BA 1945, LLB 1948 and LLD Honorary 1981. Dr Shoctor founded Edmonton's Citadel Theatre and continues to serve as its executive producer and chair of the board. A practising lawyer and civic leader, he has served on many community and professional associations during the past five decades. Dr Shoctor is a founder of the Edmonton Eskimo Football Club and a leader in the Canadian Jewish community, and he headed numerous initiatives to enhance downtown Edmonton. His efforts have been recognized by a number of awards and honours, including the Great Canadian Award and a Prime Minister's Medal from the State of Israel. He was also named a member of the Order of Canada, and elevated to officer status in 1986.



**John Poole**

With his brother, John Poole, BSc (Eng) 1937, LLD Honorary 1987, built Poole Construction Limited into one of Canada's major contractors. Founded by their father, the company set new and positive standards for staff and labour relations, including profit sharing. In addition, Mr Poole is a founding shareholder of the Oxford Development Group. A tireless supporter of the community, he is a benefactor of charities and institutions such as the Provincial Museum and Archives, Citadel Theatre, United Way and the Edmonton Community Foundation. He was inducted into the Business Hall of Fame of Junior Achievement for Northern Alberta and received the 1984 Canadian Business Leader Award from the Faculty of Business.

## Public catalogue, circulation system down for two days

The complexity of the file maintenance work and the sheer size of the file (3.2 million records) necessitate closure of the Library's public catalogue and circulation system for two days. This interruption of service is planned to coincide with the Family Day weekend.

Libraries will be open Sunday, 19 February, but all Circulation/Access service points will be closed that day. The Library's online catalogue (The GATE) will not be available. The following services will be offered:

- Reference and Information service desks in Rutherford Library and the HT Coutts Edu-

cation Library only will provide assistance using resources other than The GATE;

- The Health Knowledge Network databases (Cancerlit, Medline, CINAHL, Health), ERIC, and individual CD-ROM databases will be up and running;
- Library patrons will be able to study, consult the collections, and photocopy as usual.

Patrons are urged to sign-out the Reserve materials, books and periodicals they need before 19 February.

All Libraries will be closed on Family Day, 20 February.

## University responding to search for VP (Academic)

By Folio staff

The search is on for a new Vice-President (Academic), and the University community is responding to the need.

The Advisory Committee for the Vice-President (Academic) is canvassing the entire University community. Letters have gone to academic and nonacademic staff, and you may have noticed advertising in the January issues of *Folio* and *Gateway*.

Already, several campus community members shared their views via mail or e-mail (eschoeck@vm.ucs.ualberta.ca). The committee is meeting with John McDonald

to discuss the role and the key issues. It is also meeting with Doug Owram to hear an Associate Vice-President's views.

There is still time to express your opinions on the kind of job that needs to be done and the kind of person needed to do it. Share your views with your committee representative, either in person or via mail or e-mail. A full list of members is in the 20 January issue of *Folio* or available from the University Secretariat.

Nominations are welcome; the deadline for applications or nominations is 1 March.



# Professor Emeritus devises way to celebrate peacekeepers

## Tom Nelson's boughs of peace meant to raise awareness

By Michael Robb

As a soldier in the Second World War, Tom Nelson witnessed some of the most horrific events. In Italy, for example, he saw a woman who had been shot in the chest. It was obvious she was about to die; her distraught children were beside her crying.

Five decades later, Dr Nelson, Professor Emeritus of Psychology, sees a world in which people are increasingly reluctant to settle their differences by force of arms. "War is now looked upon as a failure of peace. We've come to expect negotiated settlements to conflicts," he says, pointing out that seemingly intractable conflicts are being resolved around negotiating tables.

This holiday season, Dr Nelson wanted to begin to celebrate the peacekeepers and peacemakers of this brave new world. Gathering quotes from people who value

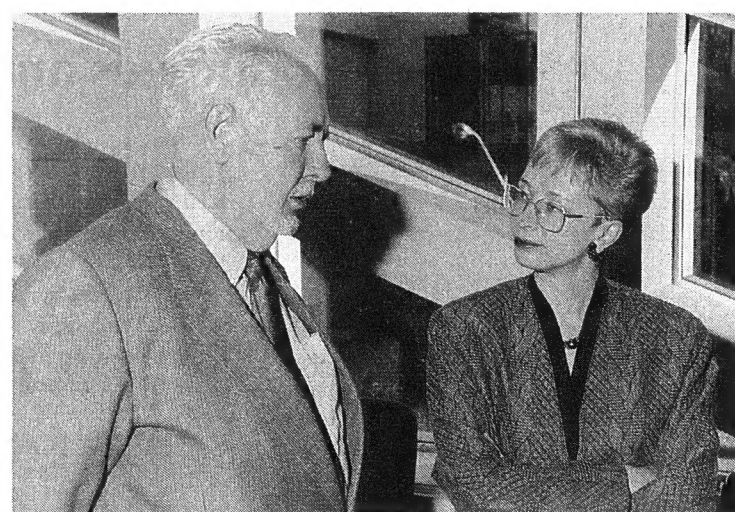
peace, he put them on cards and decorated three coniferous trees by positioning 65 cards on each. The trees, which were placed in City Hall, honoured peacemakers and peacekeepers in three countries: Canada, Israel and Palestine. People could fill out their own blank cards and hang them on a fourth tree.

"The peacemakers have given us a great deal of wisdom about peace," he explains. "And in Canada—more than any other country in the world—peace has become a matter of national policy, beginning with Lester Pearson. Canada has been involved in more peacekeeping exercises than any other nation."

Dr Nelson says it's time for people to follow the wisdom laid down by peacemakers of the country and begin to celebrate the peacekeepers and peacemakers. Doing so,

he points out, is possible by all in our multicultural society. He realized this holiday season that not everyone is brought together by the celebration of Christmas, but everyone has a desire for peace, and it's possible that a celebration of peacekeepers and peacekeepers could do just that.

Dr Nelson has now produced "boughs of peace", scrolls of grains or bundles of wood from which small scrolls containing peace quotations hang. These, he says, can substitute for wreaths and help people remember



Tom Nelson discusses his peace initiative with Mayor Jan Reimer.

the importance of peace. Next year, he hopes to begin the celebration just after Remembrance Day. He hopes various community groups will use the boughs to promote the cause of peace.

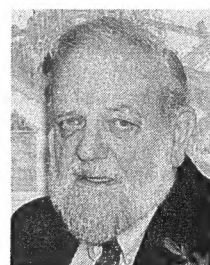
# The right to health care in Canada

By John Dossetor, Professor Emeritus of Medicine

It is a common perception in Canada that all citizens have a "right" to health care. I thought so too. So it came as a startling surprise when the Canadian Bar Association Task Force on Health Care reported that, in fact, there is no such legislated right, except in Quebec.<sup>1</sup>

The task force, chaired by Richard Fraser, QC (an Adjunct Professor in the Bioethics Centre, here at the University of Alberta, who has previously contributed to *The Bioethics Bulletin*) examines the question from three points of view: a) the Charter of Rights and Freedoms, b) the Canada Health Act, and c) provincial legislation.

Their investigation of the crucial question of whether a right to health care exists under the Charter of Rights is framed in terms of *positive* and *negative* rights. Positive rights would be those provisions (of the Charter) to be taken as objectives for government to provide. Negative rights are those provisions that governments must protect from being infringed upon in a society where each is at liberty to pursue their own ends. In fact, the Charter does not directly address the question of health, either indirectly or as a direct fundamental entitlement. In analyzing interpretations of the Charter, the task force points out that the Supreme Court has not been consistent in interpreting the Charter as conferring positive or negative rights—both have been used and argued for, in different situations—and that therefore the Charter cannot be claimed as conferring a fundamental or positive right to health care.



John Dossetor

administration. These insured health services include "physician services", "surgical-dental services", and "medically-necessary hospital services", though there is no definition of what is 'medically necessary.'

More significantly, one must remember that the Canada Health Act is an *insurance act*, insuring provision of services by provincial governments; thus it does not confer an inherent right to health care on citizens of Canada or on governments to provide specific insured services.

Quebec is the only province which has taken the administrative principles of the Canada Health Act and made them a right to health care. In 1971, the *Act respecting health services and social services (LSSSS)* enacted that "every person has the right to receive adequate, continuous and personal health services and social services from a scientific, human and social standpoint, taking into account the organization and resources of establishments providing such services."<sup>3</sup> A new *LSSSS* in 1992 goes further in confirming the right to health care services, the right to choose practitioners and establishments, to emergency services, to informed consent and to participate in decisions affecting one's health or well-being.<sup>4</sup> These rights are qualified by resource availability and other economic constraints. In the other Canadian provinces, some of these same principles have been well established through case law. In all provinces except Quebec, listing the insured medically necessary services is left to the policy makers in each jurisdiction. There is no legislated requirement for public debate or consultation.

Among the recommendations of the task force are that: all remaining provinces should define and legislate a right to health care; each province and the federal government should enact a definition of the term "medically necessary" which would apply equally to the term "medically required"; explicit criteria should be used to define this term, regardless of whether the government enacting the definition has legislated a right to health care.

Further recommendations are that: the definition of "medically necessary" should

be arrived at by an open process operating between as well as within jurisdictions; an open process should clearly define whether there is a role for private health care (and if there is, its extent) and to deal specifically with any overlap or duplication; decisions to reduce or to deinsure health care services should be accomplished through a fair, open and consultative process; authorities should disclose to citizens when resource constraints will affect treatment.

So it seems that we do not have a right to health care. Nevertheless, we have collectively evolved a strong societal expectation of publicly administered health care. The "spirit" of the Canada Health Act is the very heart of our egalitarian health system. The competitive marketplace environment is not appropriate for health or the management of illness. Individuals are subject to the caprice of sickness irrespective of lifestyle, and no individual should suffer or be

denied necessary care because of inability to pay. We should do all that we can to ensure survival of our health system, both in principle and in fact, during these times of restructuring and reform.

Reprinted from *The Bioethics Bulletin*, October 1984

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2. *The Canada Health Act* S.C. 1984, c. 6.
3. *The Charter of Rights and Freedoms. A Guide for Canadians. Publications Canada*, PO Box 1986, Stn B, Ottawa, ON, K1P 6G6. 1984.
4. *Loi sur les services de santé et les services sociaux*, L.Q. 1971, c.48.

## LETTERS TO THE EDITOR

### Priorities

For the first time in thirty or so years the universities are now facing immense challenges and clearly a period of wrenching change. If we do not do a good job of teaching we will not survive. Surely it is time for the University to stop pussyfooting around and to state that at every working level of the University, the teaching and welfare of our undergraduates should be the prime consideration. Following from this statement, we could expect that classroom design and timetabling would be optimized for students, that faculty evaluation committees would consider anything less than good teaching to be unacceptable—regardless of research activity—and that student counselling (advice on courses, etc) would become a well respected and well rewarded activity.

I am prompted to write this letter because of a number of annoyances. Once again I find myself teaching in the Central Academic Building. As always with a full class, the bottom 30-40 percent of the blackboard is obstructed by the students in the front of the class and cannot be used. The

professor in the adjacent classroom is also quite audible through the wall. Last term I taught a class at one o'clock in the afternoon where many of the students had been in class for most of the morning and had been unable to get lunch. Within a few minutes of commencing each lecture it was apparent that the energy level of the students was way down and the teaching process was compromised to a large degree. The fact that we cannot even get these 'nuts and bolts' of teaching right, appears to be a symptom of a much bigger problem which is, that at many levels of this University, undergraduate teaching is not given the respect and priority that it deserves.

I probably spend more time doing research than lecturing and so this is not meant to be an attack on research. It is a recognition that if we do not adopt a zero tolerance policy on 'less than good' teaching (ie, teaching in all of its aspects—classroom design, lecturing, timetabling, etc) then our institution, together with all its activities, including research, will be at risk.

Peter R Smy  
Professor of Electrical Engineering

### Quebec is the only province which has taken the administrative principles of the Canada Health Act and made them a right to health care.

The Canada Health Act was enacted 'to protect, promote and restore the physical and mental well-being of residents of Canada and to facilitate reasonable access to health services without financial or other barriers.'<sup>2</sup> The existing health care system commits provinces to providing "insured health services" in accordance with the five principles of universality, comprehensiveness, accessibility, portability and public



# FOCUS ON Faculties

**Eighth part of a 16-part series on the University of Alberta's Faculties.**

**Next: Faculty of Science**

## FACULTY FACTS

**History:** The study of education began as a senior-level course in 1912. The School of Education was established in 1928 and four years later it was named a department within the Faculty of Arts and Science. It gained further autonomy in 1940 when it was reconstituted as the College of Education. The Faculty of Education was created in 1942.

**1993-94 operating budget:** \$17,888, 154

**Enrollment:** 3,285 undergraduates, 936 graduate students

**Teaching staff:** 134

**Support staff:** 68

**Degrees offered:** BEd, MEd, EdD, PhD

**Departments:** Educational Policy Studies, Educational Psychology and Technology, Elementary Education, Secondary Education

**School/Centres:** School of Library and Information Studies; Centre for Research in Applied Measurement and Evaluation; Centre for Research in Teacher Education and Development; Developmental Disabilities Centre; Psychological Testing Centre

**Prominent alumni:** approximately one-third of all deans of faculties of education in Canada are graduates; Glenda Sims, president and CEO, Canadian Advisory Council on the Status of Women; Stanley Souch, president, NAIT; Ethel Blondin-Andrew, Secretary of State for Training and Youth.

**Leadership:** Harvey Zingle, Dean; Helen Illott, Associate Dean (Undergraduate Student Services); Al MacKay, Associate Dean (Planning); John Paterson, Associate Dean (External Relations and Research); Anne-Marie Decore, Assistant Dean; Gretchen Hess, Assistant Dean; Gordon McIntosh, Assistant Dean.

## Education ready for classrooms of 21st century

### Revamped, innovative BEd slated for '96

By Sandra Halme

One of the first things Harvey Zingle did when he took over as Dean of Education four years ago was to establish an advisory committee on teacher education. The 17-member committee meets monthly and looks objectively at the Faculty's curriculum and offers suggestions for change and/or improvement.

"I've always operated on having input from stakeholders," says Dr Zingle. "Inevitably discussions result in useful feedback." His idea of stakeholders is far-reaching and includes representatives from the obvious (Alberta Teachers' Association, Alberta Education and Advanced Education and Career Development, school superintendents, people from other Faculties who teach Education students) and the not so obvious (parents of school children and superintendents from smaller school districts).

**The result of the revised BEd, says Dr Zingle, is a degree program that will be "a lighthouse for teacher education and the preparation of teachers for the 21st century."**

According to Dr Zingle, extensive input is vital if the Faculty is to prepare its students for the classroom. For instance, the teaching needs of a school the size of Harry Ainlay are very different from those of a rural school. "In a larger school," he points out, "a teacher may be asked to teach the subject in which they majored, whereas in smaller, rural schools, teachers may be asked to teach a number of subjects." Consequently, Dr Zingle says, it's important for the Faculty to know how to prepare students for both classroom situations.

Preparing students for the classrooms of the 21st century is the priority of the Dean and his Faculty. To this end, Dr Zingle's proposed "1 + 3" BEd degree has received widespread approval. Revamping the BEd involved extensive

surveying of three stakeholder groups: all provincial school superintendents; a large number of Alberta principals; and all graduates from 1988 who met certification requirements.

The result, says Dr Zingle, is a degree program that will be "a lighthouse for teacher education and the preparation of teachers for the 21st century." This revamped degree proposes that, starting in September 1996, no first year students would be admitted to the Faculty. However, in 1997 students would be admitted into the second year of three program routes: elementary, secondary or adult education. The first students would graduate in 2000.

A large part of the revamped curriculum came about as a result of listening to stakeholders. "We heard that our students were well prepared to teach their subjects," says Dr Zingle, "yet areas for improvement involved more study in areas such as classroom management, student assessment and inclusive education." Consequently, new courses in these areas will become mandatory parts of the revamped BEd.

Another plus to this new model, Dr Zingle notes, is that there will be an increased efficiency of transfer between colleges and other Faculties to the Faculty of Education, thus assuring access while allowing continued selection on academic merit.

The integration of theory and practice early in the BEd is also big on the Dean's list. By distributing the practicum more evenly throughout the program, Dr Zingle hopes that



Harvey Zingle is surprised with a balloon bouquet from Nancy Smiley, Secretary to the Dean, celebrating his 30 years on campus.

students will see themselves as teachers rather than students. "We want our students to look at the classroom differently, to use and combine the theoretical knowledge with the practical experience as soon as possible." This early integration will expose students to an elementary and secondary setting well enough in advance to allow them to change their major or even career choice before investing a considerable amount of time.

### Deans of education in Canada rate the U of A's Faculty of Education #1

The use of practicums is not new, but an "associated school" model created by the Faculty is. In this model, schools, not individual teachers, are asked to participate and develop appropriate practicums for students. "This gives students a well-rounded practicum," Dr Zingle points out. "More staff are involved resulting in more role models for the students." The Faculty will have more than 2,700 placements this year, making the model a time-consuming task. Still, it's off to a good start—more than 50 percent of the placements are already involved.

The establishment of rural centres is another Faculty initiative related to practicums. Students who are placed in rural schools often find it difficult (because of distance) to discuss their practicum experience with other practicum students. Now, centres have been set up in Red Deer, Camrose, Grande Prairie and Bonneyville to facilitate weekly get-togethers for practicum students in the area.

For a Faculty that about a year ago faced serious restructuring, including a 25 percent budget reduction, Education has much to be proud of (its efforts were rewarded when GFC rescinded the *Quality First* recommendations). "What was a negative turned out to be a positive experience," says Dr Zingle. "The Faculty was brought together as a more cohesive unit as a result."

It comes as no surprise then that a recent survey of deans of education in Canada ranked the U of A's Faculty of Education as the #1 school of education in Canada. There's no resting on its laurels though, the future is here and the Faculty is heeding the call.

## Killam Annual Professor sets pace for math education

One of the criteria for being awarded a Killam Annual Professorship is the use of creativity in scholarly activities. Another is service to the community beyond the University. In both instances, Tom Kieren, Secondary Education Professor and 1994-95 Killam Annual Professor, shines.

Whether it be by taking his research out of the lab and into the classroom or as a volunteer tutor for both gifted students and those with learning problems or as a founding member—and past president—of the Canadian Mathematics Education Study Group, Dr Kieren is making a difference in the world of mathematics education.

An important element to his work is that he focuses on a teacher's point of view as well as on how students develop an understanding of mathematics. His methods, while somewhat unorthodox, are entertaining and creative. For instance, he uses such things as cardboard pizza slices in a Grade 7 lesson on fractions. Students are asked to describe what they're doing when they slice up the pizza and put it back together. Dr Kieren is looking to see how children form an image that they can carry away independently of their actions. He points out that "a critical feature of understanding mathematics is forming an image and then doing things with it."

One of his research findings contradicts the notion that understanding grows in only one

direction. Dr Kieren and his team have found that children understand in many ways at once. He explains that if children go back to a primitive idea, it doesn't always mean they're stuck in one place. "In many cases they're building a broader base in aid of advanced thought, and it's important for teachers to be aware of this fact."

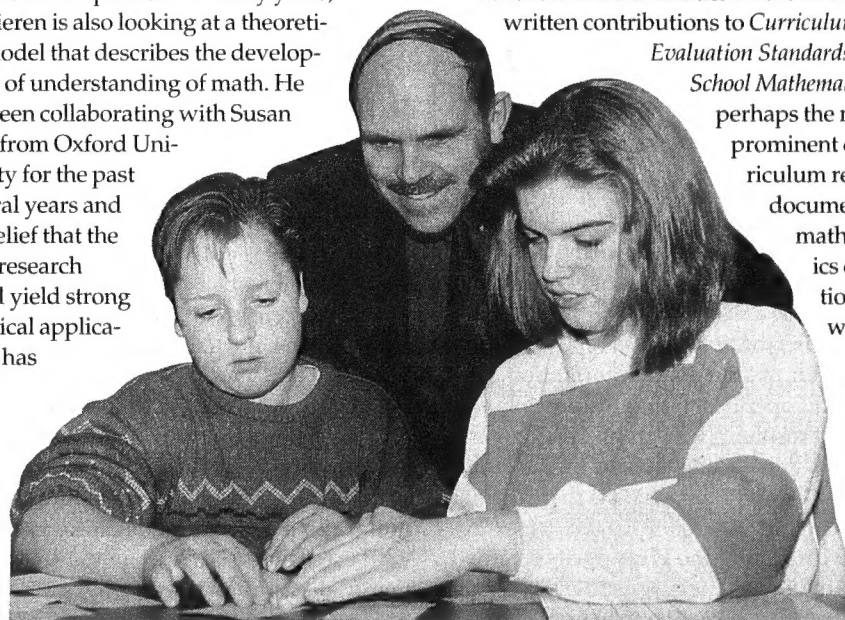
Although mathematics and its understanding has been a passion for many years, Dr Kieren is also looking at a theoretical model that describes the development of understanding of math. He has been collaborating with Susan Pirie from Oxford University for the past several years and his belief that the joint research could yield strong practical applications has

proven correct. "I have developed a theory of the growth of mathematical understanding," Dr Kieren says, "conceiving it as a continuous process rather than as a static achievement."

Dr Kieren's work on mathematical understanding has led to a number of achievements including a McCalla Professorship (1989-90), the 1993 Canadian Association of Curriculum Studies Award, and a National Council of

Teachers of Mathematics award in 1989 for written contributions to *Curriculum and*

*Evaluation Standards in School Mathematics*, perhaps the most prominent curriculum reform document in mathematics education in the world.



Tom Kieren, Killam Annual Professor, encourages math students to form an image and then do things with it.



## ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

28 February, 4 pm

Mark FA Van Berkum, postdoctoral fellow, Department of Molecular and Cell Biology, University of California, Berkeley, "Calcium-Calmodulin Signal Transduction in the Drosophila Neuronal Growth Cone During Development." Cosponsor: Anatomy and Cell Biology. 5-10 Medical Sciences Building.

## CANADIAN FEDERATION OF UNIVERSITY WOMEN

13 February, 7:30 pm

Speaker: Bev Oldham, who runs the Safe House for Street Kids. All women University graduates are welcome. Information: 435-1398. Faculty Club.

## CANADIAN INSTITUTE OF UKRAINIAN STUDIES

17 February, 7:30 pm

Lesia Voronyna, editor-in-chief of the children's magazine *Co, Kyiv*, "Children's Literature in Ukraine Today" (in Ukrainian). Heritage Lounge, Athabasca Hall.

## CHEMICAL ENGINEERING

16 February, 3:30 pm

Shulamit Kuttner, "A Novel Electrophoresis Cell to Measure the Zeta-Potential of Microbubbles." 342 Chemical-Mineral Engineering Building.

23 February, 3:30 pm

Ravi Sharma, "Bifurcation Structures in Rotating and Heated Flows in a Straight Duct." 342 Chemical-Mineral Engineering Building.

## COMPARATIVE ANIMAL PHYSIOLOGY AND CELL BIOLOGY

14 February, 12:30 pm

Angelina Lo, "Direct Effects of Testosterone on GnRH-Stimulated Gonadotropin Release From Goldfish Pituitary Cells." G-114 Biological Sciences Centre.

28 February, 12:30 pm

Lynn Hale, "Using Molecular Biology to Make Antibodies." G-114 Biological Sciences Centre.

## COMPARATIVE STUDIES IN LITERATURE, FILM AND RELIGION

16 February, 4 pm

Ming Xie, Peking University, "The Postmodern as the Postcolonial: Recognizing Chinese Modernity." Cosponsor: East Asian Studies. L-2 Humanities Centre.

## COMPUTING SCIENCE

13 February, 3:30 pm

Randy Goebel, "Deja Vu: Artificial Intelligence in Computing." 2104 Dentistry-Pharmacy Centre.

# TALKS



## EIGHTEENTH-CENTURY STUDIES GROUP

1 March, 4 pm

Rick Szostak, "Economic History and the Industrial Revolution." Senate Chamber, Arts Building.

## ENGLISH

10 February, 3:30 pm

Robert K Martin, professor of English and directeur, Département d'Études Anglaises, Université de Montréal, "Nationalism and Sexuality: Writing Quebec." L-3 Humanities Centre.

11 February, 2 pm

Professor Martin will help direct a workshop entitled "Que(e)rying the Academy: Pedagogy, Curriculum, Canon." Senate Chamber, Arts Building.

## GEOGRAPHY

10 February, 3 pm

Bob MacMillan, Department of Geography, University of Edinburgh, "Modelling Depressional Storage in a Canadian Prairie Landscape." 3-36 Tory Building.

## GEOLOGY

14 February, 11 am

Lee Riciputi, Oak Ridge National Laboratory, Oak Ridge, Tennessee, "Macro- and micro-scales: Ion Microprobes and the Rock Record." 1-04 Earth Sciences Building.

16 February, 11 am

John England, "Glacier Dynamics and Regional Uplift on Ellesmere Island: New Evidence." 1-04 Earth Sciences Building.

## HUMAN ECOLOGY

13 February, 3:30 pm

Issues in the North. Milton MR Freeman, "Polar Bears and Whales: Contrasts in International Wildlife Management Regimes." Main Floor Chapel, St. Stephen's College.

27 February, 3:30 pm

Issues in the North. Ross W Wein, "Environmental Issues in the Arctic." Main Floor Chapel, St. Stephen's College.

## LIMNOLOGY AND FISHERIES

16 February, 12:35 pm

Ellie Prepas, "TROLS Under the Bridge." G-116 Biological Sciences Centre.

## MUSIC

10 February, 4 pm

Victor Coelho, University of Calgary, "Is Musicology Ready for the Rolling Stones?" 2-32 Fine Arts Building.

## PERINATAL RESEARCH CENTRE

14 February, noon

George Foxcroft, "Suckling-Mediated Regulation of LH and Prolactin in the Postpartum Sow." Classroom F, 2J4.02 Mackenzie Health Sciences Centre.

15 February, noon

Stuart Hooper, honorary lecturer, Department of Physiology, Monash University, Clayton, Victoria, Australia, "Fetal Lung Liquid: What is its Physiological Significance?" 207 Heritage Medical Research Centre.

## PETER JACYK CENTRE FOR UKRAINIAN HISTORICAL RESEARCH

15 February, 3:30 pm

Radomir Bilash, Historic Sites and Archives, Department of Community Development, Province of Alberta, "Cultural Change and Religious Tradition in Ukrainian Canadian Country Churches: St Onufry's Church at Barich-Smoky Lake." 352 Athabasca Hall.

## PHILOSOPHY

16 February, 3:30 pm

Jonathan Strand, Concordia College, "If P then Necessarily Q." 4-29 Humanities Centre.

## PHYSICS

17 February, 2 pm

Mary Cannell, Nottingham, England, "George Green, Mathematician and Physicist: The Background to his Life and Work." V-129 Physics Building.

## PHYSIOLOGY

17 February, 3:30 pm

Richard Jones, "High Frequency Chest Compression: The Potential Uses in Pulmonary Medicine." 207 Heritage Medical Research Centre.

## PSYCHOLOGY

10 February, 1 pm

Edward J (Ted) Chambers, "Evaluating the Impact of Education." P-218 Biological Sciences Centre.

## RENEWABLE RESOURCES

9 February, noon

Noorallah Juma, "Where Does the Carbon Sequestered From the Atmosphere Through Photosynthesis Reside in Soil?" 2-36 Earth Sciences Building.

15 February, noon

Vic Adamowicz, "Non-Timber Values: Economics, Politics, or Both." 849 General Services Building.

16 February, 12:30 pm

Gordon Dinwoodie, soil specialist, Alberta Environmental Protection, "The Role of Soil Science in Environmental Protection: A Regulator's Perspective." 2-36 Earth Sciences Building.

## RURAL ECONOMY

6 February, 3:15 pm

Martin K Luckert, "Efficiency Implications of Silvicultural Expenditures from Separating Ownership and Management on Canadian Forest Land." 519 General Services Building.

27 February, 3:15 pm

Sea A Royer, "Value of Water Rights in Southern Alberta." 519 General Services Building.

## SOCIETY OF EDMONTON DEMOGRAPHERS

22 February, noon

Andrew Macpherson, Sustainable Population Society, "Rising Population and Consumption: Are There Limits?" Heritage Room, Main Floor, City Hall.

## SOCIOLOGY

14 February, 2 pm

John Hagan, Department of Sociology / Faculty of Law, University of Toronto, "The Defiant Ones: Family Contexts and Sanction Sequences of Street Crimes Amplification." 5-15 Tory Building.

## UNIVERSITY OF ALBERTA SHASTRI COMMITTEE AND SOCIOLOGY

14 to 16 February, 7:30 pm

Swami Brahmanistananda Saraswathi, Brahma Vidya Gurukulam, "Gita, Karma Yoga, and Modern Life." TB-W2 Tory Breezeway.

## WOMEN'S STUDIES PROGRAM

16 February, 3:30 pm

Joyce Green, "Towards a Detente with History: Confronting the Colonial Project of Canada." Senate Chamber, Arts Building.

## ZOOLOGY

10 February, 3:30 pm

Bruce Lyon, Department of Biological Sciences, University of Calgary, "Conspecific Brood Parasitism in American Coots: Dynamics of Host-Parasite Interactions." M-149 Biological Sciences Centre.

17 February, 3:30 pm

Catherine Loudon, Department of Entomology, Kansas State University, "Physics of Chemoreception: Interception of Chemical Signals by Insect Antennae." M-149 Biological Sciences Centre.

*This symbol denotes environmentally-related seminars/events. If you wish to have an environmentally-related event listed in this way, please contact: The Environmental Research and Studies Centre, 492-6659.*

The University of Alberta is committed to the principle of equity in employment. As an employer we welcome diversity in the workplace and encourage applications from all qualified women and men, including Aboriginal peoples, persons with disabilities, and members of visible minorities.

## ACADEMIC STAFF

### Director, University Press

One of Canada's largest research-intensive universities with an enrollment of more than 30,000 students seeks outstanding candidates for the position of Director of the University of Alberta Press. This is a senior Administrative Professional Officer position under the Academic Agreement.

Founded in 1969, the University of Alberta Press has 136 titles in print and annual book sales of \$200,000. Winner of the 1994 Alberta Publisher of the Year Award, the Press publishes scholarly works in virtually

every discipline, while also emphasizing western Canadian subjects. In addition, the Press has a tradition of producing academically sound books on topics of general interest.

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these challenges, and be prepared to assess, redefine and reposition the Press in the current stream of scholarly communication. The Director will work as part of a larger University team to ensure that the Press can carry forward the University of Alberta's research mission in an effective and well supported manner on behalf of the University community, understanding that a University press can be a powerful agent for advanced learning.

The ideal candidate is an effective communicator and an astute business manager with extensive experience in publishing, either trade or scholarly, and is conversant with all its aspects, including marketing and distribution of the products. Sensitive to the

needs of scholarship as well as to the demands of the trade, and having a proven ability to attract and work with a variety of authors, the successful candidate should be an organized project manager with knowledge of sound financial planning and experience in building effective teams around specific projects.

Salary range: \$40,211 to \$60,323.

Interested candidates should submit a curriculum vitae and the names of three references by 31 March 1995 to: Ernie Ingles (Co-Chair, Selection Committee), Director of Libraries, 5-02 Cameron Library, University of Alberta, Edmonton, Alberta T6G 2J9.

## SUPPORT STAFF

To obtain information on support staff positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall. You can also call the Job Information line at 492-7205 (24 hours) or consult the weekly Employment Opportunities Bulletin.

# POSITIONS



## AWARD OPPORTUNITIES

### ALUMNI ASSOCIATION AWARDS

#### Distinguished Alumni Awards

A maximum of three Distinguished Alumni Awards will be presented to recognize "exceptional contributions to a profession and/or outstanding contributions and service to the University of Alberta, society or the welfare of others."

#### Alumni Golden Jubilee Award

The Alumni Golden Jubilee Award was initiated in 1958 to honour individuals who have contributed to the welfare of the University, either directly or indirectly. Nominees need not be graduates of the University.

Nominations are requested for these prestigious awards, which will be presented on 30 September 1995, at the Reunion Weekend Gala Dinner.

For further information and to request official nomination forms, please contact:

Communications Committee  
Office of Alumni Affairs  
450 Athabasca Hall  
University of Alberta T6G 2E8.  
Phone: 492-3224.

The deadline for receipt of nominations is 31 March 1995.

## U of A India focus: a databack

The University of Alberta Committee of the Shastri Indo-Canadian Institute would appreciate hearing from all individuals on campus who work in areas that in any way include a focus on India. These could range from research conducted by faculty members and graduate students, to exchange visits, lecture trips, joint ventures with Indian scholars and/or institutions, recent publications, relevant fellowships and grants, and consulting.

This year the Government of India has increased its five-year funding for the Institute by about 60 percent. Canadian participation in the Institute is now largely handled

through CIDA. The Institute has recently completed 25 years of fruitful existence, and has decided to augment its traditional focus on the fine arts, humanities and the social sciences with increased involvement in a large variety of developmental and interdisciplinary projects. It is a particularly good time for U of A scholars working in virtually any field having an India focus to benefit from the new outlook of the Institute.

Please send information about projects, and any questions, to Professor Shyamal Bagchee, Chair, U of A Shastri Committee, at the Department of English. E-mail: s.bagchee@ualberta.ca

## EVENTS

### FILMS

#### GERMANIC LANGUAGES

21 February, 7:15 pm  
"Hautnah" (1985) German with English subtitles. 141 Arts Building.

### MUSIC

#### DEPARTMENT OF MUSIC

10 and 11 February, 8 pm  
Opera Scenes. Alan Ord, director. Scenes from operas by Mozart, Donizetti, Verdi, Humperdinck and Bizet. Admission: \$5/adults, \$3/students and seniors. Convocation Hall.

18 February, 8 pm

Music at Convocation Hall featuring Marek Jablonski, piano. Program will include works by Chopin, Szymanowski and Liszt. Lecturer: Richard Troeger. Guest host: Lorraine Mansbridge, co-host, ITV First News. Admission: \$10/adults/ \$5/students and seniors. Convocation Hall.

27 February, 8 pm

Doctor of Music Recital: Peter Jancewicz, piano. Convocation Hall.

### THEATRE

#### STUDIO THEATRE

Until 18 February, 8 pm  
"The Trojan Women" by Euripides. Guest director: Jeannette Lambermont. Tickets and information: 492-2495. Myer Horowitz Theatre.



### ACCOMMODATIONS FOR RENT

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More ads on page 8

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